

Fact Sheet



For Final Renewal Permitting Action Under 45CSR30 and Title V of the Clean Air Act

Permit Number: **R30-07900046-2012**
Application Received: **September 19, 2011**
Plant Identification Number: **079-00046**
Permittee: **Cranberry Pipeline Corporation**
Facility Name: **Heizer Compressor Station**
Mailing Address: **12145 Derricks Creek Road; Sissonville, WV 25320**

Revised: N/A

Physical Location:	Poca, Putnam County, West Virginia
UTM Coordinates:	432.48 km Easting • 4263.99 km Northing • Zone 17
Directions:	From State Route 62 near Poca, turn onto Heizer Creek Road. Travel approximately 5.4 miles to the station on the left.

Facility Description

The Heizer Compressor Station is a natural gas transmission facility which consists of a TEG dehydrator, a dehydrator reboiler, a 440 HP natural gas compressor engine, a 880 HP natural gas compressor engine, and four storage tanks (2,100 gallon pipeline fluids, 3,000 gallon new oil, 1,050 gallon used oil, and 1,050 gallon anti-freeze). The control device on the TEG dehydrator is a BTEX eliminator.

Emissions Summary

Plantwide Emissions Summary [Tons per Year]		
Regulated Pollutants	Potential Emissions	2010 Actual Emissions
Carbon Monoxide (CO)	15.76	7.50
Nitrogen Oxides (NO _x)	156.2	61.63
Particulate Matter (PM ₁₀)	- ¹	0.94
Total Particulate Matter (TSP)	- ¹	0.97
Sulfur Dioxide (SO ₂)	0.029	0.01
Volatile Organic Compounds (VOC)	13.97	2.96

PM₁₀ is a component of TSP.

Hazardous Air Pollutants	Potential Emissions	2010 Actual Emissions
Benzene	0.315	0.0414
Ethyl Benzene	0.003	0.0024
Formaldehyde	3.350	1.0732
Hexane	0.050	0.0087
Toluene	0.120	0.0249
Xylene	0.022	0.0068
Other HAPs	4.520	0.3985
Total HAPs	8.380	1.5559

Some of the above HAPs may be counted as PM or VOCs.

¹Information not available.

Title V Program Applicability Basis

This facility has the potential to emit 156.2 TPY of NO_x. Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Cranberry Pipeline Corporation is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

This facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR2	Particulate matter air pollution
	45CSR6	Open burning prohibited.
	45CSR10	Emissions of sulfur oxides
	45CSR11	Standby plans for emergency episodes.
	45CSR13	NSR permits.
	WV Code § 22-5-4 (a) (14)	The Secretary can request any pertinent information such as annual emission inventory reporting.
	45CSR30	Operating permit requirement.
	40 C.F.R. Part 61	Asbestos inspection and removal
	40 C.F.R. 63, Subpart ZZZZ	RICE
	40 C.F.R. 64	Compliance Assurance Monitoring
State Only:	40 C.F.R. Part 82, Subpart F	Ozone depleting substances
	45CSR4	No objectionable odors.
	45CSR17	Particulate Fugitive.

Each State and Federally-enforceable condition of the Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (<i>if any</i>)
R13-2694B	June 14, 2010	

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table B," which may be downloaded from DAQ's website.

Determinations and Justifications

There have been no changes made at this facility since the previous Title V permitting action, R30-07900046-2007 (SM01), approved on October 7, 2010. However, the following updates were made to the permit language:

- Engine Oil Tank No. 1 (001-09), Engine Oil Tank No. 2 (001-10), Antifreeze Tank (001-11) were added to the emission units table. There were installed in 2006, but were not included in the

previous Title V permit. Due to these tanks' small sizes, there are no applicable requirements (see Non-Applicability Determinations).

- This facility has been found to be applicable to 40 C.F.R. 63, Subpart ZZZZ: "National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines." Applicable portions of this rule were added with this renewal in Section 3.0.
- Condition 4.11 was moved to the Facility-Wide Section as condition 3.1.10.

Greenhouse Gas Tailoring Rule: This is a renewal Title V Permit and there have been no changes that would have triggered a PSD permit. As such, there are no applicable GHG permitting requirements.

Non-Applicability Determinations

The following requirements have been determined not to be applicable to the subject facility due to the following:

45CSR14	Permits for Construction and Major Modification of Major Stationary Sources of Air Pollution for the Prevention of Significant Deterioration. This facility's potential emissions are below 250 tons per year. Therefore, this rule does not apply.
45CSR19	Permits for Construction and Major Modification of Major Stationary Sources of Air Pollution Which Cause or Contribute to Nonattainment. This facility is in an attainment area.
45CSR27	To Prevent and Control the Emissions of Toxic Air Pollutants. Natural gas is included as a petroleum product and contains less than 5% benzene by weight. 45CSR§27-2.4 exempts equipment "used in the production and distribution of petroleum products providing that such equipment does not produce or contact materials containing more than 5% benzene by weight."
40 C.F.R. 60 Subpart GG	Standards of Performance for Stationary Gas Turbines. There are no turbines at the Heizer Compressor Station.
40 C.F.R. 60 Subpart Dc	The reboiler at this facility is below 10 million BTU/hr, thus this subpart does not apply per 40 C.F.R. § 60.40c.
40 C.F.R. 60 Subpart K	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978. All tanks are below 40,000 gallons in capacity.
40 C.F.R. 60 Subpart Ka	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984. All tanks are below 40,000 gallons in capacity.
40 C.F.R. 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984. All tanks storing volatile organic liquids are below 75 m ³ in capacity.
40 C.F.R. 60 Subpart KKK	Standards of Performance for Equipment Leaks of VOC From Onshore Natural Gas Processing Plants. Heizer station is not engaged in the extraction of natural gas from field gas or in the fractionation of mixed natural gas liquids to natural gas products.
40 C.F.R. 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing: SO ₂ Emissions. There are no sweetening units at the Heizer station.
40 C.F.R. 60 Subpart KKKK	Standards of Performance for Stationary Combustion Turbines. There are no turbines at the Heizer Compressor Station.
40 CFR 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities. This facility is a transmission facility, therefore this subpart does not apply.
40 CFR 63 Subpart HHH	National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities. This facility is a synthetic minor source of HAPs, therefore there are no applicable requirements from this subpart.
40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. This facility is not a major source of HAPs, therefore this subpart does not apply to this facility according to 40 C.F.R. § 63.7485.
40 C.F.R. Part 64	CAM has been addressed in previous permitting actions, and no additional CAM requirements are necessary.

Request for Variances or Alternatives

None.

Insignificant Activities

Insignificant emission unit(s) and activities are identified in the Title V application.

Comment Period

Beginning Date: December 5, 2011

Ending Date: January 4, 2012

All written comments should be addressed to the following individual and office:

Rex Compston, P.E.
Title V Permit Writer
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304

Procedure for Requesting Public Hearing

During the public comment period, any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. The Secretary shall grant such a request for a hearing if he/she concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.

Point of Contact

Rex Compston, P.E.
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1209 • Fax: 304/926-0478

Response to Comments (Statement of Basis)

Not applicable.